



National
Knowledge
Network

3rd Call of Proposals
Capacity Building Program
on NOC Operations for NREN
Professionals
WP-2

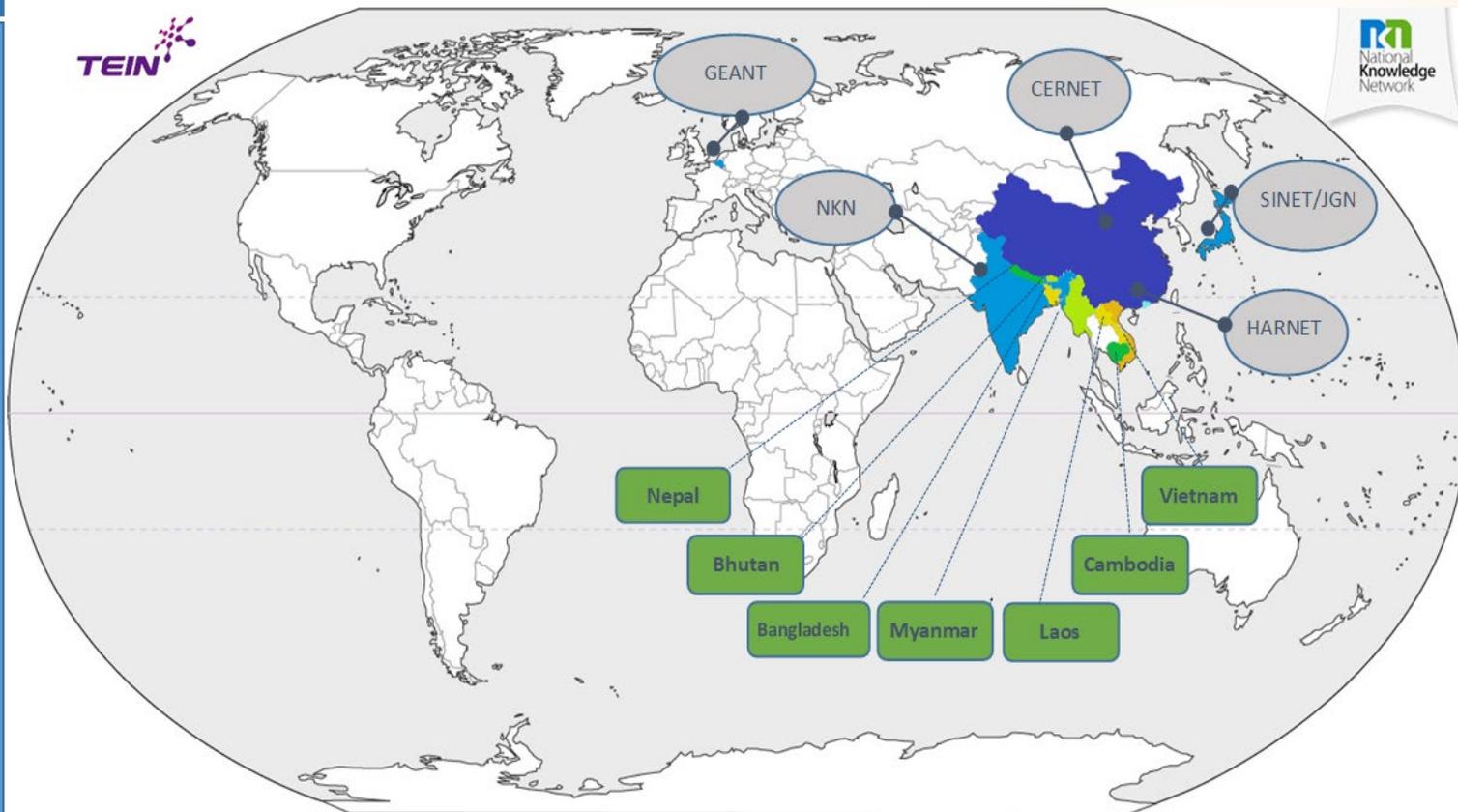


PI	Dr. Seema Khanna	Organization	National Knowledge Network- India
Country	India	Budget	EUR 199,820
Project Period	21 Months during 2019-2020		
Activities	<ul style="list-style-type: none"> ▪ The program would be on the lines of Training of Trainers, wherein the NOC professionals from Bangladesh, Bhutan, Nepal, Vietnam, Myanmar, Laos and Cambodia would visit the NOCs of developed NRENs: SINET and JGN-Japan, HARNET-Hong Kong, NKN-India, CERNET-China and GEANT-EU , for training on NOC operations ▪ The program would consist of three phases: <ul style="list-style-type: none"> • Planning the visit to one of the developed NRENs • Training at the Developed NREN, which would include the training visit of 5 days, further training by the trained professionals in respective NRENs and preparation of Training Report • After completion of all the visits at the Developed NRENs, NKN would submit Program Completion Report ▪ The main objectives of the program are: NREN Capacity Development, NREN Knowledge Sharing, NREN Skill Upgradation, Train the Trainers, Preparing Change Agents for Technological and Operational Advancement ▪ Beneficiary countries: Bangladesh, Bhutan, Nepal, Vietnam, Myanmar, Laos, and Cambodia 		
Progress	<ul style="list-style-type: none"> ▪ Internal Administrative approvals completed ▪ Financial and legal approvals under process, expected to be completed by August 2019 		



Objectives

- **NREN Capacity Development:** To rapidly develop the human resource capacity for upgrading NREN's NOC & IT Infrastructure
- **NREN Knowledge Sharing:** Technical knowledge sharing among the NRENs NOC professionals (Developed NRENs, NKN and Developing NRENs)
- **NREN Skill Upgradation:** Enhance and Upgrade technical skill of NREN's Network Operation personnel like: Network Engineers, Network Security Administrators, etc.
- **Train the Trainers:** Train the trainer for knowledge sharing sessions to other NREN officials, ICT engineers, IT community officials etc. in the respective NRENs
- **Preparing Change Agents for Technological and Operational Advancement:** Prepare the Change Agents through capacity development and lead the technological and operational advancement of NRENs

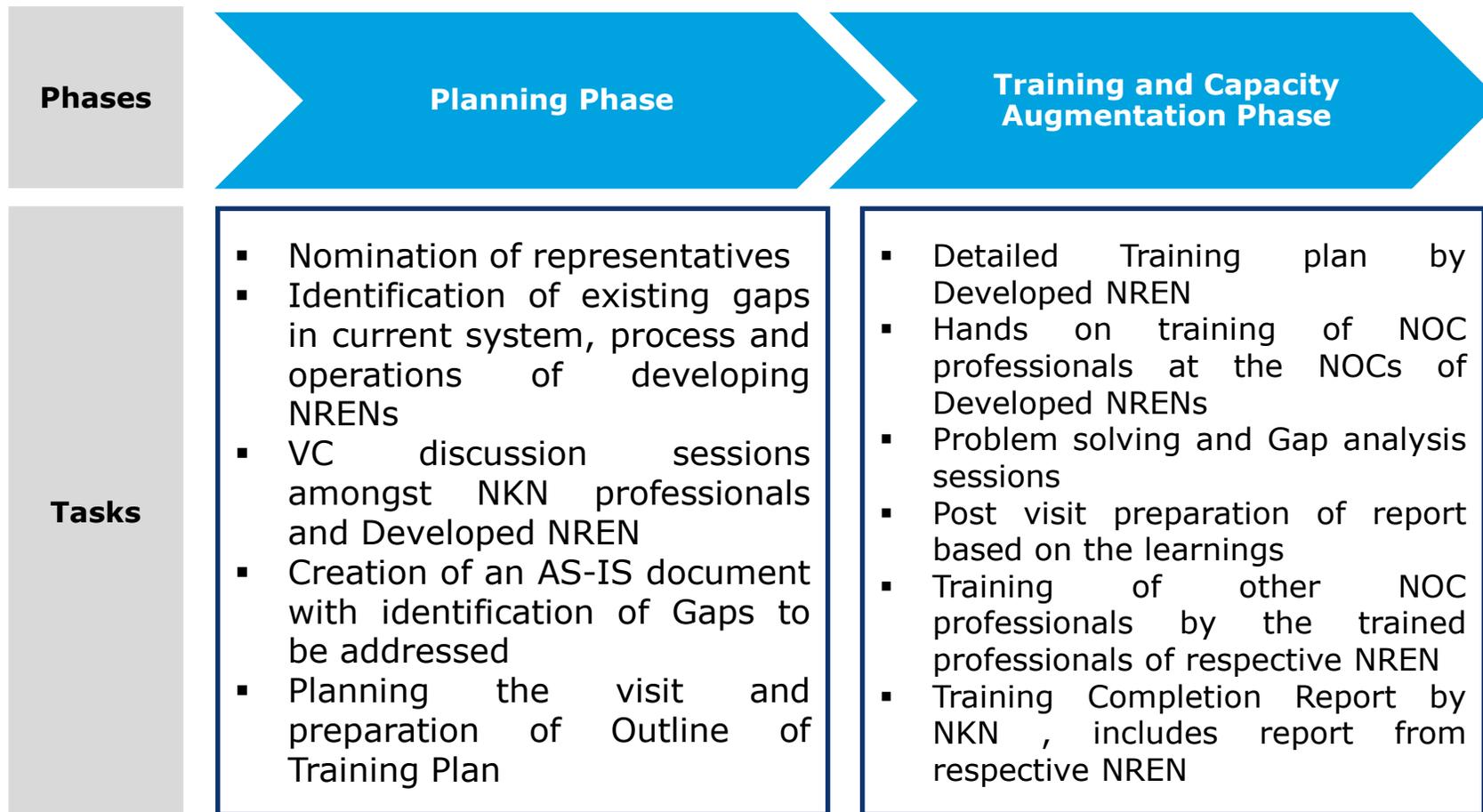


Collaborating Partner NRENs

Name	Organization	Country
David Choi	HARNET	Hong Kong SAR
Motonori Nakamura and Eiji Kawai	SINET and JGN	Japan
David West	GEANT	European Union
Jie An	CERNET	CHINA



Approach and Methodology (Each Visit)



Vision

"To enhance the technical know-how of the developing NREN through knowledge sharing with developed NRENs in terms of technical as well as operational advancements"

Training of other Professionals in respective NREN - Making the Program Sustainable



Overall Timeline

Stage/ Activity	Timelines* (In Months)																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Kick Start Stage for Training and Visit -1	█																				
Training and Visit-1		█	█	█																	
Kick Start Stage for Training and Visit-2					█																
Training and Visit-2						█	█	█													
Kick Start Stage for Training and Visit-3									█												
Training and Visit-3										█	█	█									
Kick Start Stage for Training and Visit-4													█								
Training and Visit-4														█	█	█					
Kick Start Stage for Training and Visit-5																	█				
Training and Visit-5																		█	█	█	
Completion Report																					█

Timeline for each visit phase

Stage/Activity		Timelines* (In days)																
		5	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
Planning Stage		█																
S.No.	Activity Details																	
1	Planning the Visit	█																
1.1	Nomination of Representatives	█																
1.2	As Is Assessment and VC Sessions	█																
1.3	Planning the Visit with Developed NREN	█																
Training and Capacity Augmentation Phase		█																
2	Training at Developed NREN	█																
2.1	Detailed Training plan by Developed NREN	█																
2.2	Onsite training at the Developed NREN	█																
2.3	Post visit preparation of Learning cum To-Be report based on the learnings	█																
2.4	Training of other NREN professionals in respective NRENs	█																
2.5	Preparation of Training Completion Report	█																

*The timeline is for one Developed NREN for one trip. In the next trip the same timelines would be followed

The visits would be planned for NOCs of 4 Developed NRENs: NKN, SINET & JGN, HARNET, CERNET and GEANT



Outcomes

Increased productivity of NRENS

Would improve the efficiency and productivity of beneficiary NRENS

Learning on best practices followed by the Developed NREN, and future strategies adopted for meeting the incremental requirements

Knowing and exploring different possible future technologies, that are unavailable in the home country

Change Agents for Technological and Operational Advancement at SAARC NRENS

Prepare change agents within the NRENS, that will lead to incremental technological and operational advancement of the NRENS

Knowing different perspectives & comprehending how different technology advancements are being

Development of the TEIN community through a collaborative approach

The Trained professionals will lead to reformation of the staff within their NRENS

The Trained professionals will lead to reformation of the staff within the NRENS by providing new skills to the staff

Knowledge sharing amongst the NRENS

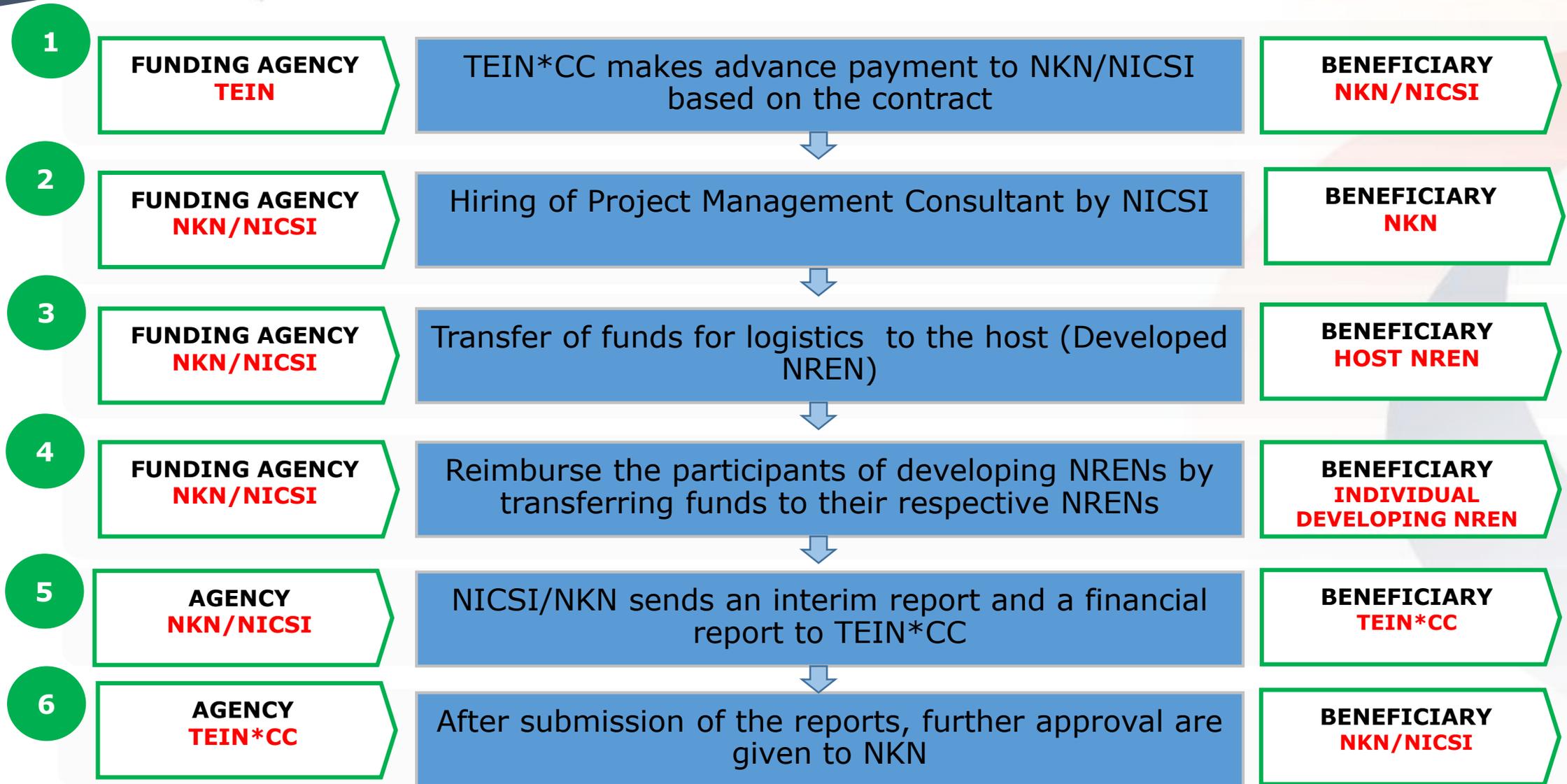
Act a link between various NREN professionals for sharing knowledge and collaborations in the future

The current status assessment through an As-Is analysis would enable out-of-the-box thinking from a strategic perspective

The Developed NRENS would learn from the problems faced by the developing NRENS and would lead to a collaborative solutions



Fund Flow





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Thank You

